

1125-92-2093      **Irina N Trofimova\*** ([iratrofimov@gmail.com](mailto:iratrofimov@gmail.com)), 92 Bowman St., Hamilton, Ontario L8S 2T6,  
Canada. *Operators of diagonal evolution.*

The phenomena of vertical and horizontal emergence are analysed in terms of functional differentiation, the concept of fractal functionality, the concept of the zone of proximate development and an application to iterative map techniques. These theoretical components use three operators that could be linked to functionality of elements composing complex systems. These three operators act on at least three different levels of complexity, making a division into levels of organization rather conditional. (Received September 19, 2016)